ORiNOCO® BG-2000
Broadband Gateway

Wireless Access Point and Broadband Internet Access in the Home and Small Office

The ORiNOCO BG-2000 Broadband Gateway is your ticket to the world of wireless networking and high-speed broadband Internet access in your home or small office. The BG-2000 is interoperable with any Wi-Fi certified wireless LAN client providing the ability to share files, peripherals and Internet access. Easy to install, the BG-2000 gives you the convenience to work anytime, anywhere and any way you want.

Wireless Access Point

The Broadband Gateway is an access point which provides wireless LAN connectivity. Acting as a bridge, the BG-2000 has two 10/100 Base-T Ethernet ports and a Wi-Fi radio, simultaneously supporting wireless and wired stations. This makes it a cost effective networking solution for homes and small offices. The BG-2000 is fully interoperable with Wi-Fi certified solutions. Also due to its superior receiver sensitivity (ears) and resilience to microwave interference, ORiNOCO has proven to be the best 802.11b radio in the industry providing unbeatable performance results in range and throughput.

Internet access that is safe

As a gateway the BG-2000 can share a single broadband Internet connection (xDSL, Cable or ISDN) with multiple stations using Network Address Translation (NAT), Dynamic Host Configuration Protocol (DHCP), Point-to-Point Protocol over Ethernet (PPPoE) and Virtual Private Networking (VPN). A firewall, access control and WEP encryption enable set up of secure networks in homes, preventing eavesdropping as well as hacker access to local networks. Additionally

remote office workers can set up secure tunnels with multiple stations at the same time for accessing their corporate networks using VPN passthrough (PPTP, L2TP and IP Sec).

Ease of use

The BG-2000 is configurable through a standard Web browser. Network Administrators can centrally manage the BG-2000, via Telnet-based command line interface and SNMP MIB browser. The BG-2000 also supports TFTP for unattended uploads of new software.

The BG- 2000 Broadband Gateway is part of the complete ORiNOCO product family of infrastructure and client products – all you need to get a wireless network up and running and have reliable shared Internet access throughout your home or small office.
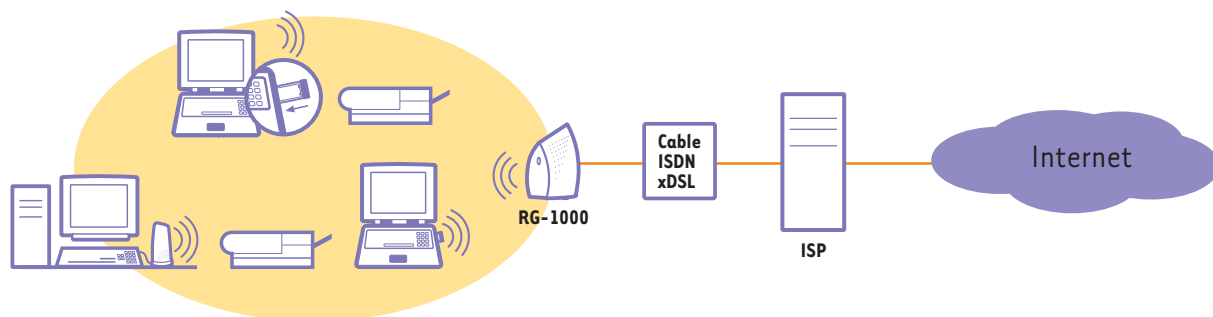
orinoco®
WIRELESS NETWORKS

About Agere Systems

The Wireless Communications and Networking Division (WCND) of Agere Systems, formerly known as the microelectronics division of Lucent Technologies, is a global leader in wireless local area network (WLAN) technology. It designs and sells ORiNOCO wireless LAN products and solutions through a network of leading OEM customers. Agere Systems has also established WLAN sales channels to service providers, enterprise customers and end-users through several e-commerce sites and a vast array of value-added resellers. The ORiNOCO line of products encompasses a full range of indoor and outdoor WLAN products, as well as enhanced security products for public areas and security-conscious enterprises.

ORiNOCO BG-2000 Broadband Gateway Specifications

FEATURES

- High performance 11 Mbit/s data rate
- Wide coverage range of up to 1,750/550 m
- Rich set of wireless monitoring features and tools for easy configuration and troubleshooting
- IEEE 802.11b (Wi-Fi) certified
- High-level security with 128-bit key RC4 encryption and Access Control
- Network Address Port Translation (NAPT)
- DHCP Server/Client (RFC 2131, RFC 2132)
- DNS Relay
- Transparent learning bridge (IEEE 802.1d)
- External factory reset option
- Fault Management: System self test, Event logging
- Performance Management Statistics: Ethernet, Bridging, IP forwarding, ICMP, PPP, TCP, UDP
- Security Management: Administrative password, User password, Configurable SNMP community string, PAP authentication with PPP, CHAP authentication with PPP, IP packet filtering
- Inband management through subscriber-side Ethernet
- Web browser configuration (HTTP)
- TELNET (CLI)
- TFTP
- SNMP MIB II
- 128-bit RC4 encryption
- Access Control
- Firewall (IP and Packet Filtering, Static port filtering)
- VPN Masquerading (PPTP, L2TP, IP Sec)

INTERFACE

LAN Interface	10/100 Base-T Ethernet (RJ-45 socket)
Wireless	IEEE 802.11b
WAN Interface	10/100 Base-T Ethernet (RJ-45 socket)

WIRELESS LAN SPECIFICATIONS

Frequency Channels	2400 - 2483.5 MHz
Number of channels	11 Channels
Modulation Technique	Direct Sequence Spread Spectrum (CCK, DQPSK, DBPSK)

RANGE IN METERS (FEET)	11 MBIT/S	5.5 MBIT/S	2 MBIT/S	1 MBIT/S
Open	160m (525 ft)	270m (885 ft)	400m (1300 ft)	550m (1750 ft)
Semi-Open	50m (165 ft)	70m (230 ft)	90m (300 ft)	115m (375 ft)
Closed	25m (80 ft)	35m (115 ft)	40m (130 ft)	50m (165 ft)

PHYSICAL SPECIFICATIONS

Dimensions	105 x 98 x 155mm
Weight	0.4 Kg

ENVIRONMENTAL SPECIFICATIONS

	Temperature	Humidity
Operating	0°C to 40°C	95% (no condensing)

POWER SUPPLY

Voltage	110-240 VAC (47 to 63 Hz)

LEDs

3 LEDs	Power Wireless Network Activity Ethernet Activity (LAN) Ethernet Activity (WAN)

WARRANTY

1 year

PACKAGE CONTENTS

- BG-2000 Broadband Gateway
- Wall plug-in power supply
- Two 6-ft. Ethernet cables
- Multi-language Quick Installation Flyer
- BG-2000 Broadband Gateway Reference Guide (English)
- Configuration software on CD-ROM

WiFi™
The Standard For Wireless Fidelity

More information on ORiNOCO products:
www.orinocowireless.com

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